BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Modified Estimate For Improvements to roads and construction of RCC drains and culverts at Ananthapura and Thirumala nagara in ward no: 03 of Yelahanka New Town Sub Division (Package-02)

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification								
	For CC Drain								
	Ananthapura								
	11th main								
	LHS	1	225.50	1.00	1.00	225.50			
	Ananthapura Mahalaxmi Layout								
	2nd Cross								
	LHS	1	68.50	1.00	1.00	68.50			
	RHS	1	74.90	1.00	1.00	74.90			
	1st Cross								
	LHS	1	26.00	1.00	1.00	26.00			
	RHS	1	25.80	1.00	1.00	25.80			
	3rd Cross								
	LHS	1	17.40	1.00	1.00	17.40			
	RHS	1	24.00	1.00	1.00	24.00			
	4th cross								
	LHS	1	24.60	1.00	1.00	24.60			
	RHS	1	24.30	1.00	1.00	24.30			
	4th cross								
	LHS	1	20.00	1.00	1.00	20.00			
	RHS	1	19.90	1.00	1.00	19.90			
	3rd main								
	LHS	1	162.70	1.00	1.00	162.70			
	RHS	1	144.00	1.00	1.00	144.00			
	2nd main								
	LHS	1	169.40	1.00	1.00	169.40			
	RHS	1	169.10	1.00	1.00	169.10			
	Veerasagara Road								
	LHS	1	574.70	1.20	1.00	689.64			
	RHS	1	728.30	1.20	1.00	873.96			
	Ananthapura								
	Suresh House Road								
	LHS	1	78.10	1.00	1.00	78.10			
	RHS	1	94.20	1.00	1.00	94.20			
	For CC Culvert								
	Ananthapura	8	5.79	1.80	0.95	79.21			
						3011.21	**Cum**	**244.84**	**737264.00**
	Quoted Rate	244.84							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
4.1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
For CC Drain								
Ananthapura								
11th main								
LHS	1	225.50	1.00	0.15	33.83			
Ananthapura Mahalaxmi Layout								
2nd Cross								
LHS	1	68.50	1.00	0.15	10.28			
RHS	1	74.90	1.00	0.15	11.24			
1st Cross								
LHS	1	26.00	1.00	0.15	3.90			
RHS	1	25.80	1.00	0.15	3.87			
3rd Cross								
LHS	1	17.40	1.00	0.15	2.61			
RHS	1	24.00	1.00	0.15	3.60			
4th cross								
LHS	1	24.60	1.00	0.15	3.69			
RHS	1	24.30	1.00	0.15	3.65			
4th cross								
LHS	1	20.00	1.00	0.15	3.00			
RHS	1	19.90	1.00	0.15	2.99			
3rd main								
LHS	1	162.70	1.00	0.15	24.41			
RHS	1	144.00	1.00	0.15	21.60			
2nd main								
LHS	1	169.40	1.00	0.15	25.41			
RHS	1	169.10	1.00	0.15	25.37			
Veerasagara Road								
LHS	1	574.70	1.20	0.15	103.45			
RHS	1	728.30	1.20	0.15	131.09			
Ananthapura								
Suresh House Road								
LHS	1	78.10	1.00	0.15	11.72			
RHS	1	94.20	1.00	0.15	14.13			
Veerasagara Road								
LHS	1	560.00	0.20	0.10	11.20			
RHS	1	728.30	0.20	0.10	14.57			
For CC Culvert								
Ananthapura	8	5.79	1.80	0.15	12.51			
					478.07	Cum	5780.37	2763436.00
Quoted Rate	5780.37							

	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC ment @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum nd fine aggregates @ 0.459cum, with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness). including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cill,								
For CC Drain								
Ananthapura								
11th main								
LHS	1	225.50	0.80	0.15	27.06			
Ananthapura Mahalaxmi Layout								
2nd Cross								
LHS	1	68.50	0.80	0.15	8.22			
RHS	1	74.90	0.80	0.15	8.99			
1st Cross								
LHS	1	26.00	0.80	0.15	3.12			
RHS	1	25.80	0.80	0.15	3.10			
3rd Cross								
LHS	1	17.40	0.80	0.15	2.09			
RHS	1	24.00	0.80	0.15	2.88			
4th cross								
LHS	1	24.60	0.80	0.15	2.95			
RHS	1	24.30	0.80	0.15	2.92			
4th cross								
LHS	1	20.00	0.80	0.15	2.40			
RHS	1	19.90	0.80	0.15	2.39			
3rd main								
LHS	1	162.70	0.80	0.15	19.52			
RHS	1	144.00	0.80	0.15	17.28			
2nd main								
LHS	1	169.40	0.80	0.15	20.33			
RHS	1	169.10	0.80	0.15	20.29			
Veerasagara Road								
LHS	1	574.70	0.90	0.15	77.58			
RHS	1	728.30	0.90	0.15	98.32			
Ananthapura								
Suresh House Road								
LHS	1	78.10	0.70	0.15	8.20			
RHS	1	94.20	0.70	0.15	9.89			
For Wall								
Ananthapura								
11th main								
LHS	2	225.50	0.15	0.60	40.59			
Ananthapura Mahalaxmi Layout								
2nd Cross								
LHS	2	68.50	0.15	0.60	12.33			
RHS	2	74.90	0.15	0.60	13.48			
1st Cross								

		No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	3 Cross	2	25.80	0.15	0.60	4.64			
	HS								
	RHS	2	17.40	0.15	0.60	3.13			
	4th cross	2	24.00	0.15	0.60	4.32			
	LHS								
	RHS	2	24.60	0.15	0.60	4.43			
	4th cross	2	24.30	0.15	0.60	4.37			
	LHS								
	RHS	2	20.00	0.15	0.60	3.60			
	3rd main	2	19.90	0.15	0.60	3.58			
	LHS								
	RHS	2	162.70	0.15	0.60	29.29			
	2nd main	2	144.00	0.15	0.60	25.92			
	LHS								
	RHS	2	169.40	0.15	0.60	30.49			
	Veerasagara Road	2	169.10	0.15	0.60	30.44			
	LHS								
	RHS	2	574.70	0.15	0.60	103.45			
	Ananthapura	2	728.30	0.15	0.60	131.09			
	Suresh House Road								
	LHS								
	RHS	2	78.10	0.150	0.60	14.06			
	For CC Culvert	2	94.20	0.150	0.60	16.96			
	Raft								
	Ananthapura								
	Wall	8	5.80	1.50	0.20	13.92			
	For CC Culvert								
	Ananthapura								
		16	5.80	0.25	0.60	13.92			
						846.22	Cum	6297.87	5329387.00
	Quoted Rate	6297.87							
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications								
	For CC Drain								
	Ananthapura								
	11th main								
	LHS	4	225.50		0.60	541.20			
	Ananthapura Mahalaxmi Layout								
	2nd Cross								
	LHS	4	68.50		0.60	164.40			
	RHS	4	74.90		0.60	179.76			
	1st Cross								
	LHS	4	26.00		0.60	62.40			
	RHS	4	25.80		0.60	61.92			
	3rd Cross								
	LHS	4	17.40		0.60	41.76			
	RHS	4	24.00		0.60	57.60			

			Length	Width	Depth	Quantity	Unit	Rate	Amount
		4	24.60		0.60	59.04			
	th cross	4	24.30		0.60	58.32			
	LHS								
	RHS	4	20.00		0.60	48.00			
	3rd main	4	19.90		0.60	47.76			
	LHS								
	RHS	4	162.70		0.60	390.48			
	2nd main	4	144.00		0.60	345.60			
	LHS								
	RHS	4	169.40		0.60	406.56			
	Veerasagara Road	4	169.10		0.60	405.84			
	LHS								
	RHS	4	574.70		0.64	1471.23			
	Ananthapura	4	728.30		0.60	1747.92			
	Suresh House Road								
	LHS								
	RHS	4	78.10		0.61	190.56			
	For CC Culvert	4	94.20		0.60	226.08			
	Ananthapura								
		32	5.80		0.60	111.36			
						6617.80	**Sqm**	**398.42**	**2636663.00**
	Quoted Rate	398.42							
5	KSRB 4.9.2 : Providing T.M.T Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured & paid) cost of materials, labour, HOM of machinery complete as per specifications.								
	Steel for Drain & Culvert					51.21			
						51.21	**Tn**	**78977.64**	**4044416.00**
	Quoted Rate	78977.64							
6	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.								
	For CC Drain								
	Ananthapura								
	11th main								
	LHS	1	225.50	0.75		169.13			
	Ananthapura Mahalaxmi Layout								
	2nd Cross								
	LHS	1	68.50	0.75		51.38			
	RHS	1	74.90	0.75		56.18			
	1st Cross								
	LHS	1	26.00	0.75		19.50			
	RHS	1	25.80	0.75		19.35			
	3rd Cross								
	LHS	1	17.40	0.75		13.05			
	RHS	1	24.00	0.75		18.00			
	4th cross								
	LHS	1	24.60	0.75		18.45			

Cross						Quantity	Unit	Rate	Amount
S	1	20.00	0.75		15.00				
HS	1	19.90	0.75		14.93				
3rd main									
LHS	1	162.70	0.75		122.03				
RHS	1	144.00	0.75		108.00				
2nd main									
LHS	1	169.40	0.75		127.05				
RHS	1	169.10	0.75		126.83				
Veerasagara Road									
LHS	1	529.10	0.90		476.19				
RHS	1	711.00	0.90		639.90				
Ananthapura									
Suresh House Road									
LHS	1	78.10	0.60		46.86				
RHS	1	94.20	0.60		56.52				
					2116.55	**Sqm**	**2199.54**	**4655426.00**	
Quoted Rate	2199.54								
7	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge								
	For CC Culvert								
	Ananthapura	8	5.64	1.50		67.68			
						67.68	**Sqm**	**5688.36**	**384989.00**
	Quoted Rate	5688.36							
8	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.								
	CC Road								
	Attur Ananthapura Road								
	Beside Meghasri Bike service	1	44.90	5.50	0.30	74.09			
	Ananthapura Suresh House Road	1	51.00	6.00	0.30	91.80			
	Continued L shape	1	34.00	5.91	0.30	60.28			
						226.17	**Cum**	**159.23**	**36013.00**
	Quoted Rate	159.23							
9	KSRRB M300-14. Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications.								
	Asphalt Road								
	Thirumalanagar								
	5th A cross	1	34.90	4.13	0.30	43.24			
	5th B cross	1	35.80	3.80	0.30	40.81			
	6th Cross	1	212.90	6.00	0.30	383.22			
	8th Cross	1	174.30	4.35	0.30	227.46			
	Hanumalah Layout								
	1st cross	1	171.20	4.55	0.30	233.69			

Cross	1	159.70	4.10	0.30	196.43			
					1124.85	Cum	145.79	163993.00
Quoted Rate	145.79							

KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down sizegraded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications.

CC Road								
Attur Ananthapura Road								
Beside Meghasri Bike service	1	44.90	5.50	0.15	37.04			
Ananthapura Suresh House Road	1	51.00	6.00	0.15	45.90			
Continued L shape	1	34.00	5.91	0.15	30.14			
					113.08	Cum	3989.72	451172.00
Quoted Rate	3989.72							

11 KSRRB M600-2. Cement Concrete Pavement :- Construction of un- reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3lts conforming to IS 9103- 1999 reaffirmed 2008, (Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. MORTH Specification No. 602. - with M30 @ 360 Kg/cum Cement, C.A, 0.69 cum F.A. 0.46 cum

CC Road								
Attur Ananthapura Road								
Beside Meghasri Bike service	1	44.90	5.50	0.15	37.04			
Ananthapura Suresh House Road	1	51.00	6.00	0.15	45.90			
Continued L shape	1	34.00	5.91	0.15	30.14			
					113.08	Cum	6140.95	694441.00
Quoted Rate	6140.95							

12 Vaccum de-watering with vaccum pump and suction mat and . compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.

CC Road								
Attur Ananthapura Road								
Beside Meghasri Bike service	1	44.90	5.50		246.95			
Ananthapura Suresh House Road	1	51.00	6.00		306.00			
Continued L shape	1	34.00	5.91		200.94			
					753.89	Sqm	75.68	57055.00

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Quoted Rate	75.68							
	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 Complete with all lead and lift and as per the direction of the Engineer-in-Charge.								
						0.00	Sqm	5.56	0.00
	Quoted Rate	5.56							
14	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								
	Asphalt Road								
	Thirumalanagar								
	5th A cross	1	34.90	4.13	0.225	32.43			
	5th B cross	1	35.80	3.80	0.225	30.61			
	6th Cross	1	212.90	6.00	0.225	287.42			
	8th Cross	1	174.30	4.35	0.225	170.60			
	Hanumaiah Layout								
	1st cross	1	171.20	4.55	0.225	175.27			
	2nd cross	1	159.70	4.10	0.225	147.32			
						843.64	**Cum**	**2101.14**	**1772607.00**
	Quoted Rate	2101.14							
15	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge								
	Asphalt Road								
	Thirumalanagar								
	5th A cross	1	34.90	4.13		144.14			
	5th B cross	1	35.80	3.80		136.04			
	6th Cross	1	212.90	6.00		1277.40			
	8th Cross	1	174.30	4.35		758.21			
	Hanumaiah Layout								
	1st cross	1	171.20	4.55		778.96			
	2nd cross	1	159.70	4.10		654.77			
						3749.51	**Sqm**	**37.84**	**141882.00**
	Quoted Rate	37.84							
16	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
	Asphalt Road								
	Thirumalanagar								
	5th A cross	1	34.90	4.13	0.05	7.21			

		No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Cross	1	35.80	3.80	0.05	6.80			
	Cross	1	212.90	6.00	0.05	63.87			
	Cross	1	174.30	4.35	0.05	37.91			
	numaiah Layout								
	t cross	1	171.20	4.55	0.05	38.95			
	nd cross	1	159.70	4.10	0.05	32.74			
	Quoted Rate	6550.49				187.48	Cum	6550.49	1228058.00
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.								
	Asphalt Road								
	Thirumalanagar								
	5th A cross	1	34.90	4.13		144.14			
	5th B cross	1	35.80	3.80		136.04			
	6th Cross	1	212.90	6.00		1277.40			
	8th Cross	1	174.30	4.35		758.21			
	Hanumaiah Layout								
	1st cross	1	171.20	4.55		778.96			
	2nd cross	1	159.70	4.10		654.77			
	Quoted Rate	15.58				3749.51	Sqm	15.58	58418.00
18	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509 Complete with all lead and lift and as per the direction of the Engineer-in-Charge.								
	Asphalt Road								
	Thirumalanagar								
	5th A cross	1	34.90	4.13	0.04	5.77			
	5th B cross	1	35.80	3.80	0.04	5.44			
	6th Cross	1	212.90	6.00	0.04	51.10			
	8th Cross	1	174.30	4.35	0.04	30.33			
	Hanumaiah Layout								
	1st cross	1	171.20	4.55	0.04	31.16			
	2nd cross	1	159.70	4.10	0.04	26.19			
	Quoted Rate	8656.09				149.98	Cum	8656.09	1298245.00
19	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.								
	Asphalt Road								

		No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Malanad								
	h A cross	2	34.90	0.10		6.98			
	th B cross	2	35.80	0.10		7.16			
	6th Cross	2	212.90	0.10		42.58			
	3th Cross	2	174.30	0.10		34.86			
	Hanumaiah Layout								
	1st cross	2	171.20	0.10		34.24			
	2nd cross	2	159.70	0.10		31.94			
						157.76	**Sqm**	**477.43**	**75320.00**
	Quoted Rate	477.43							
E1	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete.								
	Veerasagara Road								
	LHS	1	559.60			559.60			
	RHS	1	728.30			728.30			
						1287.90	m		
						2862.00	Nos	454.06	1299522.00
	Basic Rate	408.00							
	Area Weightage	24.48							
	Sub Total	432.48							
	4.99 Above TP	21.58							
	Total Rate	454.06							
E2	KSRRB 800-1: Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.								
	Veerasagara Road								
	LHS	1	559.60		0.35	195.86			
	RHS	1	728.30		0.35	254.91			
						450.77	Sqm	89.03	40133.00
	Basic Rate	80.00							
	Area Weightage	4.80							
	Sub Total	84.80							
	4.99 Above TP	4.23							
	Total Rate	89.03							
							Total Construction Cost		27868440.00
							Utility Shifting,Miscellaneous and Rounding off		2,351.00
							GRAND TOTAL		27870791.00

Administrative Sanction for Rs. 300.00 lakhs.
[Rupees Three Crore Only]
is accorded under head
Revised Estimate for 7.5 F
Reference of CE NO
No BBMP/EE/YNK&D/AS/38/2021 Dt: 12/9/2020-21
Executive Engineer

Technical Sanction
According for Rs. 300.00 Lakhs only
Head of A/C P-2415
CER NO : 44 Dt: 04.11.2020

CE (YNK)

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106
Executive Engineer

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಪೂರ್ವವಲಯ - Sanna